

# HASKELL-KU EXECUTIVE COMMITTEE

## **Venida Chenault**

Vice President of Academic Affairs,  
Haskell Indian Nations University

## **Sharon Condon**

Co-Investigator, Communications Studies Department,  
Haskell Indian Nations University

## **Marigold Linton**

Co-Principal Investigator, Director of American Indian Outreach,  
Provost's Office,  
University of Kansas

## **Dennis O'Malley**

Principal Investigator, Natural Sciences,  
Haskell Indian Nations University

## **James A. Orr**

Principal Investigator, Chair of the Division of Biological Sciences,  
University of Kansas

## **Marian Hukle**

IMSD Program Coordinator

## **Ann Marie Foster**

Bridge Program Coordinator

## **Becky Welton**

RISE Program Assistant

# NIH MINORITY STUDENT PROGRAMS

## **Bridges to the Future (Bridge)**

## **Initiative for Minority Student Development (IMSD)**

## **Research Initiative for Scientific Enhancement (RISE)**

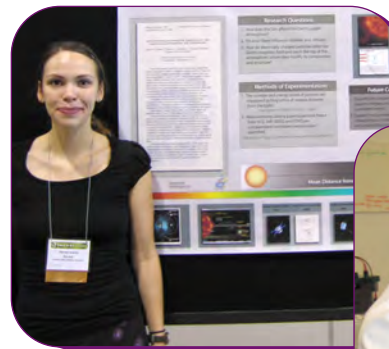
## **Institutional Research & Academic Career Development Award (IRACDA)**

These KU/Haskell Minority Student Programs are sponsored by grants from the  
National Institutes of Health, Institute of General Medical Sciences.

<b>Bridge</b>	<b>NIH 5 R25GM60182-04</b>
<b>IMSD</b>	<b>NIH 5 R25GM62232-05</b>
<b>RISE</b>	<b>NIH 5 R25GM62881-06</b>
<b>IRACDA</b>	<b>NIH 29553</b>

# UNDERGRADUATE RESEARCH SYMPOSIUM

## University of Kansas – Haskell Indian Nations University



[www.haskell.edu](http://www.haskell.edu)  
[www.ku.edu](http://www.ku.edu)

**May 2, 2006**

Conference Room  
137 Navarre Hall  
Haskell Indian  
Nations University

# SYMPOSIUM POSTER PRESENTERS

## Jonathan Ashley

**Title:** Analysis of Stabilizing Polymers on Peptide Drug Formulations  
**Mentor:** Kyle Camarda, Ph.D., E.M. Topp, Ph.D., and Sarah Thompson, Department of Chemical and Petroleum Engineering

## Ronnette Chase Alone

**Title:** Induced Defense in *Mimulus guttatus*  
**Mentors:** John Kelly, Ph.D. and Liza Holeski, Department of Ecology and Evolutionary Biology

## Stephanie Crawford

**Title:** Switchgrass Propagation Monitoring  
**Mentor:** Bill Welton, Haskell Indian Nations University

## Kristin Danielson

**Title:** Angular Kinematics of Balance Recovery from a Backward Pull  
**Mentors:** Carl Luchies, Ph.D., and Molly McVey, Department of Mechanical Engineering

## Johnathan Evans

**Title:** Phosphate Tethers: A New Tether for Natural Product Synthesis  
**Mentors:** Paul Hanson, Ph.D., and Alan Whitehead, Department of Chemistry

## Pemy Fleuker

**Title:** Effects of Solar Energetic Particles on the Earth's Magnetosphere and Atmosphere  
**Mentor:** Thomas Armstrong, Fundamental Technologies, LLC, Lawrence, Kansas

## Marie Hampton

**Title:** Study on PRL-1 Activity: Effects of pH, Temperature, and Mutants  
**Mentor:** Stephen Benedict, Ph.D., Department of Molecular Biosciences

## Justin Hanke

**Title:** Cultured Nodos Ganglia Neurons Co-express Thromboxane A2 Receptor and TRPV1 mRNA  
**Mentors:** James Orr, Ph.D., and Michael J. Wacker, Ph.D., Department of Molecular Biology

## Roberta Harjo

**Title:** Prescribed Burning as a Range Improvement Tool on the Konza Prairie  
**Mentor:** Bill Welton, Haskell Indian Nations University

## Jennifer Hood

**Title:** Optimization of Amplex Red Assay for use in High Throughput Screening  
**Mentors:** Mark Richter, Ph. D., Brian S. J. Blagg, Ph. D., Department of Molecular Biosciences

## Jason Koontz

**Title:** Physiological Studies of a New Gut Fungus Isolate (*Smittium culisetae*. *KS-108-02*)  
**Mentor:** Robert Lichtwardt, Ph.D., emeritus, Department of Ecology and Evolutionary Biology

## Richard LaBrie

**Title:** Study on PRL-1 Activity: Effects of pH, Temperature and Mutants  
**Mentor:** Dr. Jennifer Laurence, Ph.D., Department of Pharmaceutical Chemistry

## Talia Martin

**Title:** The Effect of Excipients on the Stability of Bovine Serum Albumin when Adsorbed to Alhydrogel  
**Mentors:** C. Russell Middaugh, Ph.D., and Laura J. Peek, Department of Pharmaceutical Chemistry

## Everlee McCabe

**Title:** Comparison of Angiotensin Converting Enzyme with Body Mass Index Among a Male Population Group  
**Mentors:** Michael J. Wacker, Ph.D., Scott R. Richmond, Joseph E. Donnelly, Ph.D., Michael P. Godard, Ph.D., and Philip Gallagher, Ph.D. Department of Health, Sport, and Exercise Sciences

## Katrina McClure & Raelynn Butler

**Title:** Research on Cool Region Switchgrass  
**Mentor:** Bryan Foster, Department of Ecology and Evolutionary Biology and Bill Welton Haskell Indian Nations University

## Randa Mitchem

**Title:** Animal waste contributions from Human Society in Brook Creek Watershed  
**Mentor:** Bill Welton, Haskell Indian Nations University

## Darryl Monteau

**Title:** Diversity of Tribal Uses of Switchgrass & Other Native Plants  
**Mentor:** Bill Welton, Haskell Indian Nations University

## Matthew Moreno

**Title:** Primer Design and Mutagenesis of Phosphatase of Regenerating Liver-1 (PRL-1) Protein  
**Mentor:** Dr. Jennifer Laurence, Ph.D., and Drew Vartia, Department of Pharmaceutical Chemistry

## Rebecca Orozco

**Title:** Physiological and Molecular Mechanisms Involved in Delayed Floral Initiation at Elevated CO<sub>2</sub>  
**Mentor:** Joy Ward, Ph.D., and Clint J. Springer, Ph.D., Department of Ecology and Evolutionary Biology

## Mariza Rosales

**Title:** Word Learning in Spanish-Speaking Children  
**Mentor:** Dr. Holly Storkel CCC-SLP, Department of Speech-Language-Hearing Sciences and Disorders

## Jamie Tanner

**Title:** Look What the Downtown Watershed is Doing to your Animals Near the Hospital.  
**Mentor:** Bill Welton, Haskell Indian Nations University

## Peniel Tefera

**Title:** Evolution of HIV Envelop Gene within Infected Patients  
**Mentor:** John Kelly, Ph.D., Department of Ecology and Evolutionary Biology

## Michelle Tehel

**Title:** Lack of Association of the 5-HT1B Promoter Polymorphisms with Body Mass Index (BMI)  
**Mentors:** Michael P Godard, Joseph E Donnelly Ph.D., and Michael J Wacker, Ph.D., Department of Health, Sport, and Exercise Science.

## Andrea Wolf

**Title:** The Effect of Fungicide on the Physiology and Growth of Native Prairie Plants  
**Mentors:** Bryan Foster, Ph.D., and Cathy Collins, Department of Ecology and Evolutionary Biology

